

**WHAT IS CLAIMED IS:**

1. An image printing system which causes a printing unit to output an image on the basis of input image information corresponding to a plurality of pages, comprising:

a printing information converting unit which converts the input image information corresponding to the plurality of pages into printing information;

a storage unit which stores image information corresponding to a plurality pages in advance;

a difference comparison/detection unit which compares the input image information corresponding to the plurality of pages with the image information corresponding to the plurality of pages stored in said storage unit on a page basis; and

a control unit which controls said printing unit to output the printing information converted by said printing information converting unit,

wherein page-based image information which is determined to be different by said difference comparison/detection unit is converted into printing information by said printing information converting unit, and said printing unit outputs the image information as an image on the basis of the converted printing information.

2. A system according to claim 1, wherein when image information corresponding to a plurality of pages is to be output onto one output paper sheet, all page-based image

information which includes page-based image information which is determined to be different by said difference comparison/detection unit is converted into printing information by said printing information converting unit,  
5 and said printing unit outputs an image on the basis of the converted printing information.

3. An image printing system in which at least one information processing apparatus to which image information corresponding to a plurality of pages is input and an image  
10 printing apparatus including a printing unit which prints an image on the basis of the input image information corresponding to the plurality of pages are connected to each other through a network, said information processing apparatus including:

15 a printing information converting unit which converts the input image information corresponding to the plurality of pages into printing information;

a storage unit which stores image information corresponding to a plurality pages in advance;

20 a difference comparison/detection unit which compares the input image information corresponding to the plurality of pages with the image information corresponding to the plurality of pages stored in said storage unit on a page basis; and

25 a control unit which controls said printing unit of said image printing apparatus to output the printing information converted by said printing information

converting unit,

wherein page-based image information which is determined to be different by said difference comparison/detection unit is converted into printing  
5 information by said printing information converting unit, and said printing unit outputs the image information as an image on the basis of the converted printing information.

4. A system according to claim 3, wherein

said difference comparison/detection unit compares  
10 the image information corresponding to the plurality of pages stored in said storage unit with revised image information corresponding to a plurality of pages, and detects image information of a revised page portion,

said printing information converting unit converts  
15 the image information of the revised page portion detected by said difference comparison/detection unit into printing information, and

said control unit outputs the printing information of the revised page portion to said image printing apparatus.

20 5. A system according to claim 3, wherein when image information corresponding to a plurality of pages is to be output onto one output paper sheet, all the page-based image information including page-based image information which is determined to be different by said difference  
25 comparison/detection unit is converted into printing information by said printing information converting unit, and an image is output from said printing unit of said

image printing apparatus on the basis of the converted printing information.

6. An image printing system in which at least one information processing apparatus to which image information  
5 corresponding to a plurality of pages is input and an image printing apparatus including a printing unit which prints an image on the basis of the input image information corresponding to the plurality of pages are connected to each other through a network,

10 said information processing apparatus including:

a storage unit which stores image information corresponding to a plurality pages in advance; and

a difference comparison/detection unit which compares the input image information corresponding to the plurality  
15 of pages with the image information corresponding to the plurality of pages stored in said storage unit on a page basis;

said image printing apparatus including:

a printing information converting unit which converts  
20 the input image information corresponding to the plurality of pages into printing information; and

a control unit which controls said printing unit of said image printing apparatus to output the printing information converted by said printing information  
25 converting unit,

wherein page-based image information which is determined to be different by said difference

comparison/detection unit is converted into printing information by said printing information converting unit, and said printing unit outputs the image information as an image on the basis of the converted printing information.

5        7. An image printing system in which at least one information processing apparatus to which image information corresponding to a plurality of pages is input and an image printing apparatus including a printing unit which prints an image on the basis of the input image information  
10 corresponding to the plurality of pages are connected to each other through a network,

      said image printing apparatus including:

      a printing information converting unit which converts the input image information corresponding to the plurality  
15 of pages into printing information;

      a storage unit which stores image information corresponding to a plurality pages in advance;

      a difference comparison/detection unit which compares the input image information corresponding to the plurality  
20 of pages with the image information corresponding to the plurality of pages stored in said storage unit on a page basis; and

      a control unit which controls said printing unit of said image printing apparatus to output the printing  
25 information converted by said printing information converting unit,

      wherein page-based image information which is

determined to be different by said difference comparison/detection unit is converted into printing information by said printing information converting unit, and said printing unit outputs the image information as an  
5 image on the basis of the converted printing information.

8. An image printing apparatus which is connected, through a network, to at least one information processing apparatus to which image information corresponding to a plurality of pages is input, comprising:

10 printing information converting means for converting the input image information corresponding to the plurality of pages into the printing information; and

image printing means for, when the input image information corresponding to the plurality of pages  
15 includes a page which needs to be revised, printing images corresponding to a plurality of pages on the basis of printing information converted by said printing information converting means from image information from the information processing apparatus which revises the image  
20 information of the corresponding page and includes difference comparison/detection means for comparing the revised image information corresponding to the plurality of pages with the image information corresponding to the plurality of pages stored in said storage means on a page  
25 basis to detect a difference,

wherein page-based image information which is determined to be different by the difference

comparison/detection means is converted into printing information by said printing information converting means, and said image printing means outputs the converted printing information.

5        9. An apparatus according to claim 6, wherein said image printing apparatus prints an image on an output paper basis on the basis of the printing information of a revised portion which is converted by said printing information converting means.

10       10. An apparatus according to claim 6, wherein when image information corresponding to a plurality of pages is to be output onto one output paper sheet, the image information corresponding to the plurality of pages is arranged on one surface or obverse and reverse surfaces of  
15 one output paper sheet.

11. An image printing method of outputting an image on the basis of input image information corresponding to a plurality of pages, comprising:

the printing information converting step of  
20 converting the input image information corresponding to the plurality of pages into printing information;

the storage step of storing image information corresponding to a plurality pages; and

the comparison step of comparing the input image  
25 information corresponding to the plurality of pages with the image information corresponding to the plurality of pages stored in the storage unit on a page basis,

wherein page-based image information which is determined to be different in the comparison step is converted into printing information in the printing information converting step, and is output as an image.

5        12. A computer-readable storage medium which stores a program for controlling an information processing unit to which image information corresponding to a plurality of pages is input, the program including

the printing information converting step of  
10 converting the input image information corresponding to the plurality of pages into printing information;

the storage step of storing image information corresponding to a plurality pages; and

the comparison step of comparing the input image  
15 information corresponding to the plurality of pages with the image information corresponding to the plurality of pages stored in the storage step on a page basis,

wherein the information processing unit is controlled to convert page-based image information which is determined  
20 to be different in the comparison step into printing information in the printing information converting step, and to output the converted printing information.